CLAIMS

1. Mouthpiece assembly for a reed instrument, including:
- a mouthpiece (10) provided with:
  - a chamber (26), including a baffle (26a), a wall opposite the baffle or ramp and two side walls (26b), and a bore (27), for allowing air to flow and sound waves to circulate towards the pipe of the instrument, and
  - a first original face, including a curved portion (20b), arranged laterally on either side of the chamber (26) and forming the end of said walls (26b), and a substantially flat portion (20a) arranged above the chamber (26) and the bore (27), in the extension of the curved portion (20b),
- a reed (12) including
  - a stock (30), intended to be secured to the mouthpiece,
  - a vamp (32) intended to vibrate, and
  - a table (28), extending over its entire length and forming one of the surfaces of the stock (30) and the vamp (32),

arranged to be supported, via the portion of its table (28) associated with the stock (30) against the flat portion (20a) of the first face, and
- a ligature, for assuring the assembling of the reed (12) on the mouthpiece (10),

wherein the mouthpiece (10) and the reed (12) define between them an opening (48) allowing air to penetrate, to generate sound vibrations, the air then flowing into the chamber (26) and into the bore (27), in a generally longitudinal direction,
characterized in that it further includes, present during the production of sound, a removable insert (14) taking the form of a patch, gripped between the mouthpiece face (20) and the reed table (28), and arranged so as to define, with the first face, a second virtual face, as a function of the forms of the first face (20), the insert (14) and the position of said insert (14) on the first face (20).

2. Mouthpiece assembly according to claim 1, characterized in that said insert (14) covers a part of said curved portion (20b).

3. Insert (14) intended to be gripped between the reed (12) and the mouthpiece (10) of a mouthpiece assembly according to one of claims 1 and 2, characterized in that it has a chamfer (40) at at least one of its ends intended to be arranged facing the vamp (32) of the reed (12).

4. Insert according to claim 3, characterized in that its thickness is variable along the longitudinal side, substantially following a continuous function defined by sections, said sections being three in number and each being formed of a fourth degree polynomial, one of which, over a length of more than 2 millimeters, has at least two non zero coefficients.

5. Insert according to any of claims 3 and 4, characterized in that the thickness of the end of said chamfer is less than 0.09 millimeters.

6. Insert according to any of claims 3 to 5, characterized in that said film is formed of superposed thin sheets fixed to each other, the number of superposed sheets decreasing to form said chamfer (40).

7. Insert according to any of claims 3 to 6, characterized in that the angle at the apex of said chamfer (40) is less than 3°.

8. Insert according to any of claims 3 to 7, characterized in that its end (36) including said chamfer (40) is provided with a cut out portion (46) made in its entire thickness and arranged laterally in its median portion.

9. Insert according to claim 8, characterized in that said cut out portion (46), intended to improve the clearing of access to the chamber (26), is defined by two fingers (42, 44) arranged so as to rest on said curved portion (20b).

10. Insert according to any of claims 3 to 9, characterized in that it is formed of a material capable of being worked by plastic transformation.

11. Insert according to claim 10, characterized in that said material is an aluminum alloy.

12. Insert according to claim 10, characterized in that said material is a plastic material.

13. Insert according to claim 12, characterized in that said material is of the thermoformable type.

14. Insert according to any of claims 3 to 13, characterized in that at least one part of its surface intended to be in contact with the reed (12) and/or the mouthpiece (10) is provided with a repositionable type adhesive layer.